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an electrical source coupled to each of the anode segments.

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2. The anode of claim 1, wherein at least two of the plurality of anode segments have substantially coplanar upper segment surfaces.

3. (Canceled) The anode of claim 1, wherein at least two of the plurality of anode segments are aligned with a common axis.

4. (Canceled) The anode of claim 1, wherein at least two of the plurality of anode segments are not aligned with a common axis.

5. The anode of claim 1, further comprising insulating members that connect adjacent segments of the plurality of anode segments to each other.

6. The anode of claim 1, wherein each of the plurality of anode segments is constructed from copper or a copper alloy.

7. The anode of claim 1, wherein each one of the plurality of anode segments is closer to a distinct portion of the cathode than the rest of the cathode.

8. The anode of claim 1, wherein at least one of the anode segments is cylindrical.

18. The anode of claim 1, wherein at least two of the plurality of anode segments have substantially coplanar lower segment surfaces.

19. The anode of claim 5, wherein the insulating members are formed of an insulative material that limits electric current passing between adjacent anode segments such that each anode segment can be individually electrically biased to a separate potential.

20. The anode of claim 1, wherein at least one of the anode segments is rectangular.

21. (Amended) An anode to be used with a metal deposition system containing a cathode, the anode comprising:

B2 a plurality of anode segments; and

an electrical source coupled to each of the anode segments, wherein at least one of the anode segments can be repositioned relative to other anode segments.

22. (Amended) An electrolytic cell, comprising:

an anode and a cathode, the anode comprising:

a plurality of concentric anode segments; and

an electrical source coupled to each of the anode segments; and

an anode base wherein the anode is mounted to at least one anode support mounted on the anode base.

23. The electrolytic cell of claim 22, further comprising a controller connected to the electrical source.

24. The electrolytic cell of claim 22, further comprising a hydrophilic membrane.

25. The electrolytic cell of claim 22, wherein each anode support is connected to at least one of the anode segments.

26. The electrolytic cell of claim 22, further comprising insulating members that connect adjacent segments of the plurality of anode segments to each other, and the insulating members and the anode support maintain each of the anode segments fixed in position relative to the anode base.

Please add the following new claims:

B3 27. (New) The anode of claim 21, wherein the anode comprises a plurality of circular and non-concentric anode segments.